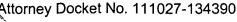
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FORM		Named Inventor	Sondur Lakshmipat	Sondur Lakshmipathi		
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i	Exam	iner Name	Not Yet Assigned			
Total Number of Pages in This Submission	Attorn	ney Docket Number	111027-134390			
	ENCLOSU	RES (Check all tha	t apply)		 	
Fee Transmittal Form Fee Attached Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	Petition Petition Provisio Power o Change Termina Request	g-related Papers to Convert to a nal Application of Attorney, Revocation of Correspondence Addr I Disclaimer of or Refund other of CD(s)	to All All All All All All All All All Al	Technoloppeal Con Appeals Con Appeals Con Appeal Not Poprietary Contraction of the Contraction Contraction of the Contraction o	osure(s) (please	
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Firm SCHWABE, WILLIAMSON		<u> </u>				
or Individual name						
Signature	AN	y			,	
Date 12/04/2003					-	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

n re Application for:

Sondur Lakshmpathi

Application No.: 10/666,509

Filed: 09/19/2003

For: WIRELESS SIGNAL

PROCESSING METHODS AND APPARATUSES INCLUDING DIRECTIONS OF ARRIVAL

ESTIMATION

Examiner: Not Yet Assigned

Art Group: Not Yet Assigned

Confirmation No.: Not Yet Assigned

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or Printed: Heather L. Adamson

Date: 12/04/2003

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Sir:

Pursuant to 37 C.F.R. § 1.97(g), the submission of this Information Disclosure Statement (IDS) is not to be construed as a representation that a search has been made, and, pursuant to 37 C.F.R. § 1.97(h), the submission of this IDS is not to be construed as an admission that the information cited in this IDS is material to patentability.

This IDS is being submitted under one or more of the following sections of 37 C.F.R. § 1.97 (as indicated by an "X" to the left of the appropriate paragraph(s)): X 37 C.F.R. § 1.97(b). Filed: (1) Within three months of a National Application other than a CPA; (2) Within three months of entry into National Stage; (3) Before mailing of a first Office Action on the merits; or (4) Before mailing of a first Office Action after filing an RCE. 37 C.F.R. § 1.97(c). Filed before the mailing of a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution. And, ONE of the following: (1) One statement from 37 C.F.R. § 1.97(e); (e)(1) The person signing below certifies that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or (e)(2) The person signing below certifies that no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing below after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 1.56(c) more than three months prior to filing this IDS. (2) The fee set forth in 37 C.F.R. § 1.17(p). A check in the amount of \$180.00 is enclosed. 37 C.F.R. § 1.97(d). Filed on or before payment of the issue fee. And, BOTH of the following: (1) one statement from 37 C.F.R. § 1.97(e); (e)(1) The person signing below certifies that each item of information contained in this IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS; or (e)(2) The person signing below certifies that no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing below after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 1.56(c) more than three months prior to filing this IDS. **AND** (2) The fee set forth in 37 C.F.R. § 1.17(p).

A check in the amount of \$180.00 is enclosed.

Accompanying this IDS is a list of	references and a copy of each reference listed
therein, EXCEPT references pursuant to	one or more of the following sections of 37
C.F.R. § 1.98 (as indicated by an "X" to t	the left of the appropriate paragraph(s)):
37 C.F.R. § 1.98(c) as beir PTO-1449).	ng cumulative (marked with an "*" on the Form
37 C.F.R. § 1.98(d) as beir/, to which the p U.S.C. § 120.	ng previously submitted in parent application resent application claims priority under 35
The Commissioner is hereby auth	norized to charge shortages or credit
overpayments to Deposit Account No. 50	00393. A Fee Transmittal is enclosed in
duplicate for fee processing purposes.	
	Respectfully submitted, SCHWABE, WILLIAMSON & WYATT, P.C.
Dated: はんしろ	Andri
	Aloysius T.C. AuYeung Registration No. 35,432
Pacwest Center, Suites 1600-1900 1211 SW Fifth Avenue Portland, Oregon 97204 Telephone: 503-222-9981	registration No. 55,452



PTO/SB/08B (08-03)
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Complete if Known Substitute for form 1449/PTO **Application Number** 10/666,509 Filing Dat INFORMATION DISCLOSURE 09/19/2003 STATEMENT BY APPLICANT **First Named Inventor** Sondur Lakshmipathi Art Unit Not Yet Assigned (Use as many sheets as necessary) **Examiner Name** Not Yet Assigned Attorney Docket Number Sheet 1 111027-134390

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	ERMOLAEV, et al., "Fast Algorithm for Minimum-Norm Direction-of-Arrival Estimation," IEEE Transactions on Signal Processing, Vol. 42, No. 9, Sept. 1994, pp. 2389-2394	
	2	ROY, et al., "ESPRIT - A Subspace Rotation Approach to Estimation of Parameters of Cisoids in Noise," IEEE Transactions on Acoustics, Speech, and Signal Processing, Vol. ASSP-34, No. 5, Oct. 1986, pp. 1340-1342	
	3	SCHMIDT, "Multiple Emitter Location and Signal Parameter Estimation," IEEE Transactions on Antennas and Propagation, Vol. AP-34, No. 3, Mar. 1986, pp. 276-280	
			

Examiner	Date	
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